

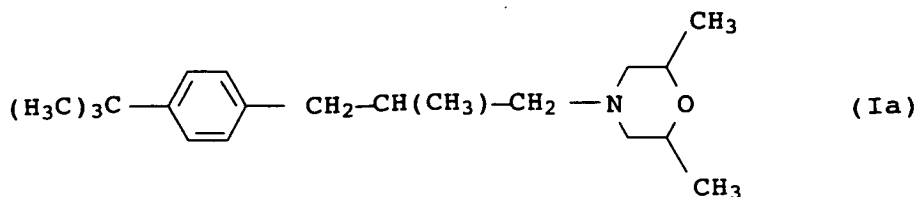
## Abstract

Fungicidal mixtures, comprising as active components

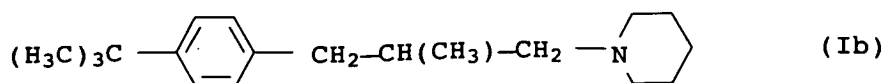
5

- a) a morpholine or piperidine derivative I selected from the group of the compounds Ia, Ib, Ic and Id

10

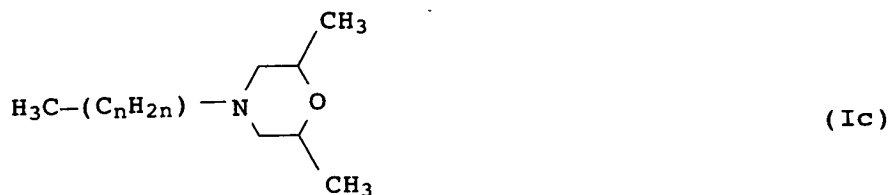


15



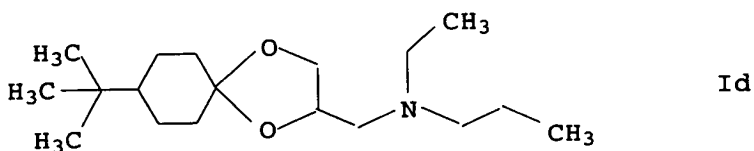
20

25



[n = 10, 11, 12 (60 - 70%) or 13]

30

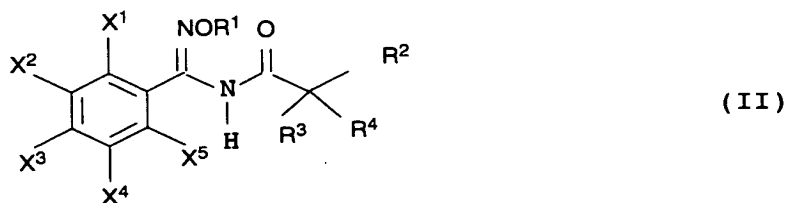


35

and

- b) compounds of the formula II

40



45

where the substituents  $X^1$  to  $X^5$  and  $R^1$  to  $R^4$  are as defined below:

$X^1$  is  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -haloalkoxy or halogen;

5  $X^2$  to  $X^5$  are, independently of one another, hydrogen, halogen,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -alkoxy or  $C_1$ - $C_4$ -haloalkoxy;

10  $R^1$  is  $C_1$ - $C_4$ -alkyl,  $C_2$ - $C_6$ -alkenyl,  $C_2$ - $C_6$ -alkynyl,  $C_1$ - $C_4$ -alkyl- $C_3$ - $C_7$ -cycloalkyl,  $C_1$ - $C_4$ -alkyl- $C_3$ - $C_7$ -cycloalkenyl, where these radicals may carry substituents selected from the group consisting of halogen, cyano and  $C_1$ - $C_4$ -alkoxy,

15  $R^2$  is a phenyl radical or a 5- or 6-membered saturated or unsaturated heterocyclyl radical having at least one heteroatom selected from the group consisting of N, O and S, where the cyclic radicals may have one to three substituents selected from the group consisting of halogen,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -alkoxy,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -haloalkoxy, 20  $C_1$ - $C_4$ -alkoxy- $C_2$ - $C_4$ -alkenyl,  $C_1$ - $C_4$ -alkoxy- $C_2$ - $C_4$ -alkynyl,

$R^3$  and  $R^4$  are, independently of one another, hydrogen,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -alkoxy,  $C_1$ - $C_4$ -alkylthio, N- $C_1$ - $C_4$ -alkylamino,  $C_1$ - $C_4$ -haloalkyl or  $C_1$ - $C_4$ -haloalkoxy

25 in a synergistically effective amount are described.

30

35

40

45